

# **New hydroxyethyl starch conjugates useful as X-ray, NMR and blood-pool diagnostic agents, e.g. for diagnosis of tumors, cardiovascular disorders and inflammation**

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Abstract of DE 19808079 (A1)

Hydroxyethyl starch conjugates are new. Hydroxyethyl starch conjugates of (I) are new, n = 200-1500; R = H, -(CH<sub>2</sub>)<sub>2</sub>OH (a1), -(CH<sub>2</sub>)<sub>2</sub>COOH (a2), -(CH<sub>2</sub>)<sub>2</sub>COCH<sub>2</sub>COOH (a3), -(CH<sub>2</sub>)<sub>2</sub>CONH<sub>2</sub> (a4), or -(CH<sub>2</sub>)<sub>2</sub>CONH<sub>2</sub>CONH<sub>2</sub>, and statistically 0.02-1.5 groups a1, a3 and a5 and 0.02-2.5 groups a2 and a4 replace the H of OH per monomer unit; K = metal complex or complex former; Q = H or a cation of an inorganic and/or organic acid, amino acid or amino acid amide.

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